Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/22/2017 10:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123705	-2	1.51	123576	1.46
Blue	F	SSC	125000	123650	-2	2.57	124019	2.34
Blue	E	FITC	21625	21082	-3	2.51	935	10.28
Blue	D	PE	26832	26360	-2	1.96	945	9.76
Blue	B	PerCP-Cy5-5	48027	47686	-1	3.28	1367	16.79
Blue	A	PE-Cy7	40971	40738	-1	4.91	627	34.72
Red	C	APC	49746	49274	-1	2.76	2851	9.40
Red	A	APC-Cy7	53615	53073	-2	2.90	1096	11.29
Violet	B	V450	14488	13873	-5	5.05	664	9.44
Violet	A	V500	55123	53223	-4	4.89	2355	6.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19191	4.87	604	6	N/A	N/A	Pass
Blue	F	SSC	61478	1.55	535	1	N/A	N/A	Pass
Blue	E	FITC	107	38.44	535	-1	0.0208	163	Pass
Blue	D	PE	206	28.51	530	-1	0.1578	212	Pass
Blue	B	PerCP-Cy5-5	217	44.30	629	0	0.0102	94	Pass
Blue	A	PE-Cy7	68	119.75	679	-2	0.0126	22	Pass
Red	C	APC	336	27.23	589	-5	0.0205	61	Pass
Red	A	APC-Cy7	122	40.18	574	-6	0.0055	1634	Pass
Violet	B	V450	80	43.70	469	-2	0.0504	2306	Pass
Violet	A	V500	172	23.98	494	-2	0.0174	1235	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.65	-31.08	0.85
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	17.04	13.27 - 19.91	N/A	N/A	31.06	31.66	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10178

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments